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**Article:**

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## Supplementary Information

### ICA decomposition of the fMRI data

We performed an independent component analysis (ICA) on the preprocessed concatenated fMRI data and opted for a 16-component solution. On visual inspection of the derived components, one was marked as artefactual, while the rest resembled well-known whole-brain functional networks. The 15 spatial maps were named based on the top-loading term acquired from decoding each map on Neurosynth (<https://neurosynth.org>) and are shown in Figure 1.

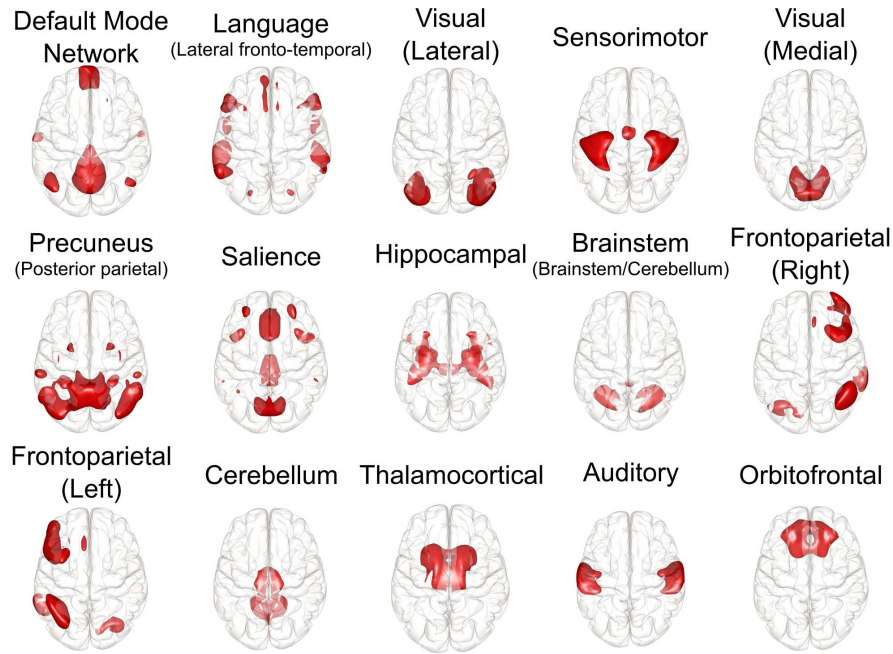


Figure 1: *ICA decomposition of fMRI data.* The panel shows the 15 spatial maps obtained from an independent component analysis on the temporally concatenated fMRI data. The maps correspond to well-known whole-brain functional networks and were named based on the top-loading term acquired from decoding each map on Neurosynth.

### Functional connectivity of ICA components

Figure 2 shows the average partial correlation matrix across subjects (thresholded at the top 15% of partial correlation weights) in the form of a chord plot. Strong interactions highlight the relatively decreased correlation between the DMN and sensory networks, the auditory with the sensorimotor and the

